



This Form Based on PTO/SB/21

DPLW CR

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/699,785
		Filing Date	November 4, 2004
		First Named Inventor	MAMITSU et al.
		Group Art Unit	2822
		Examiner Name	POTTER, Roy Karl
		Attorney Docket Number	01-103-CON5

## ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request of Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <ul style="list-style-type: none"> <li>PTO Form 1449</li> <li>Copies of cited references and foreign communication</li> </ul>
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm name	Posz & Bethards, PLC
Individual name	David G. Posz
Registration No.	37,701
Signature	
Date	October 14, 2004



OCT 14 2004

Based on PTO/SB/17  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180)

Complete if Known	
Application Number	10/699,785
Filing Date	November 4, 2003
First Named Inventor	MAMITSU et al.
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METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																																									
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account <b>Posz &amp; Bethards, PLC</b> <b>50-1147</b>				<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th colspan="2">Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee (\$)</td> <td>Fee Code</td> <td>Fee (\$)</td> <td></td> </tr> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge – late filing fee or oath</td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge – late provisional filing fee or cover sheet</td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for ex parte reexamination</td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> </tr> <tr> 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\*\* or number previously paid, if greater; For Reissues, see above

SUBMITTED BY					
Complete (if applicable)					
Name (Print/Type)	David G. Posz	Registration No. (Attorney/Agent)	37,701	Telephone	(703) 707-9110
Signature				Date	October 14, 2004

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



OCT 14 2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) MAMITSU et al.	Atty. Dkt.: 01-103-CONS
Serial No.: 10/699,785	Group Art Unit: 2822
Filed: November 4, 2003	Examiner: POTTER, Roy Karl
Title: SEMICONDUCTOR DEVICE HAVING RADIATION STRUCTURE	

Commissioner for Patents  
Arlington, VA 22202

Date: October 14, 2004

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56, the references listed on the attached Form PTO-1449 are being submitted for consideration by the Examiner without any admission that they constitute statutory prior art, or without any admission that they contain subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

Further, regarding the two listed U.S. patents, pursuant to 37 C.F.R. §1.97(e)(2), the undersigned hereby certifies that neither of these patents was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement. Please note that US Patent Nos. 4,620,215 and 6,472,305 were first cited in the Office Action dated August 9, 2004 in a related co-pending application (Serial No. 10/699,744). A copy of the office action is attached herewith. Please also note that US Patent No. 6,448,645 was also cited in the Office Action (copy enclosed), but was already disclosed in the Information Disclosure Statement filed on November 4, 2003.

Furthermore, pursuant to 37 C.F.R. §1.97(e)(1), the undersigned hereby certifies that each of the 4 listed JP references was first cited in a Communication (copy enclosed) from a foreign patent office in connection with a counterpart foreign application not more than three months prior to the filing of this statement.

10/15/2004 CNGUYEN 00000067 10699785

01 FC:1806

180.00 OP

The above-identified patent application has been allowed in a NOTICE OF ALLOWABILITY mailed on October 1, 2004. Therefore, pursuant to 37 C.F.R. §1.97(d), the references are being submitted along with the appropriate fee. Please charge any additional fees to Deposit Account No. 50-1147.

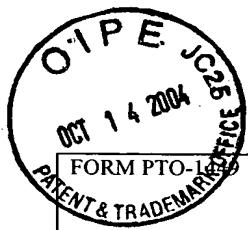
Also, the Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed references have been considered and made of record.

Respectfully submitted,



David G. Posz  
Reg. No. 37,701

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Suite 10  
Reston, VA 20190  
(703) 707-9110 (phone)  
Customer No. 23400



PATENT APPLICATION  
Page 1 of 1

FORM PTO-164  
PARENT & TRADEMARK OFFICE

ATTY. DKT NO.	01-103-CON5	SER. NO.	10/699,785
APPLICANT	MAMITSU et al.		
FILING DATE	November 4, 2003	GROUP	2822

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		4,620,215	Oct., 1986	Lee, James C.K.		
		6,472,305	Oct., 2002	Ozaki et al.		

FOREIGN PATENT DOCUMENTS

TRANSLATION								
		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES NO (Abstract)
		JP-A-H07-66143	3/10/95	JAPAN				X
		JP-A-H09-237868	9/9/97	JAPAN				X
		JP-A-H09-45773	2/14/97	JAPAN				X
		JP-A-H11-204803	7/30/99	JAPAN				X

\* Full English text of the JP Document will be available in machine-translated form from JP (Japanese Patent Office) English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER	DATE CONSIDERED	